

INTERNATIONAL SEARCH REPORT

International Application No

PCT/PT2004/000028

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F41A19/23

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F41A F41C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 545 116 A (CHARLES E. BABINGTON) 8 December 1970 (1970-12-08) column 3, line 28 - column 4, line 51; figures 1-6	1
A	US 2 195 711 A (HUTCHISON ELLA J ET AL) 2 April 1940 (1940-04-02) page 2, column 2, lines 20-49; figures 1-16	1
A	US 1 534 085 A (SCHWAERZER MAX) 21 April 1925 (1925-04-21) page 2, lines 46-52; figures 1-3	1
A	US 2 444 920 A (JR. GEORGE B. DAVIS, ET AL) 13 July 1948 (1948-07-13) column 3, line 63 - column 4, line 34; figures 1,2,6-9	1

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

18 February 2005

Date of mailing of the international search report

28/02/2005

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Information on patent family members

International Application No
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3545116	A	08-12-1970	NONE	
US 2195711	A	02-04-1940	NONE	
US 1534085	A	21-04-1925	NONE	
US 2444920	A	13-07-1948	NONE	